

Claims

[c1] **WHAT IS CLAIMED IS:**

1. An adjustable color-temperature projecting device, comprising:
a light source, generating a light beam; and
a filtering means, having at least one red filtering section, a green filtering section and a blue filtering section, wherein the blue filtering section has coatings of different transmissivities, and the color temperature of a hybrid light is changed by moving the filtering means to modify the location where the light beam passes through the blue filtering section.

[c2] 2. The projecting device of claim 1, wherein the coatings with different transmissivities are arranged in a manner that the transmissivity gradually changes across the blue filtering section.

[c3] 3. The projecting device of claim 1, wherein the blue filtering section is divided into a plurality of regions on each of which is applied a coating of different transmissivity.

[c4] 4. The projecting device of claim 3, wherein the light

beam is projected on a single region.

- [c5] 5. The projecting device of claim 3, wherein the light beam is projected between two regions.
- [c6] 6. The projecting device of claim 1, wherein the filtering means further includes a white filtering section.
- [c7] 7. The projecting device of claim 1, wherein the filtering means is a color wheel.
- [c8] 8. The projecting device of claim 1, wherein an uniformization element is further mounted at a rear end of the filtering means.